#### Wxcoder Training

### National Weather Service Office Fort Worth, TX





#### NOTE:

The examples used in this training presentation are from the NWS Forecast Office in Fort Worth (FWDT2).

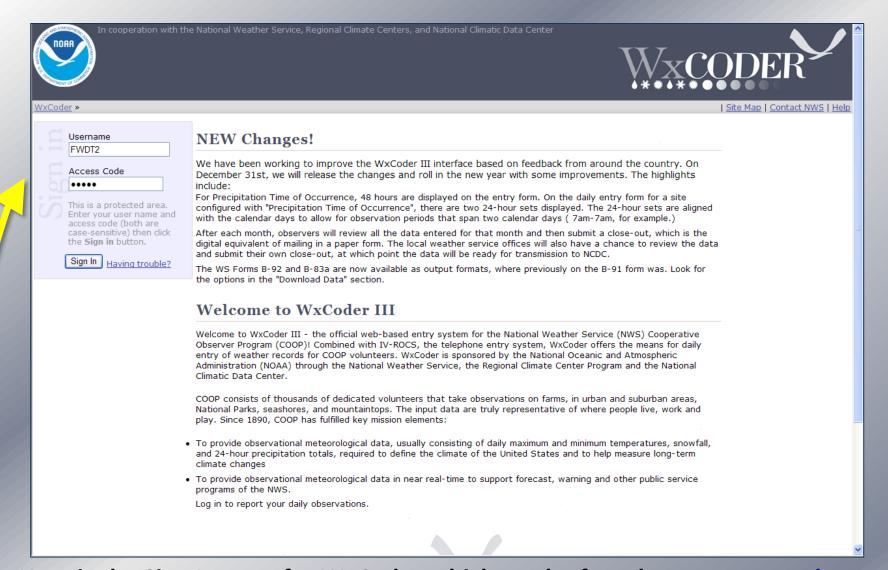
The majority of our COOP observers report only 24 hour precipitation data while others report 24 hour precipitation and 24 hour maximum/minimum temperatures.

Reporting elements will differ from station to station.

If you have any questions about WxCoder or this training, please contact the Program Manager:

Gerald.Shultz@noaa.gov

# Signing In and Entering your Daily Observation



Here is the Sign In page for WxCoder which can be found at: www.wxcoder.org

Enter your Username and Access Code (Password) in the box on the left. Your Username must be in all CAPS and is the five letter station ID for your site that ends in "T2".



Once you have signed in, this is the Home Page. Notes from the Program Manager in Fort Worth will display in the center under "Messages for Users" (yellow arrow).

To enter your daily observation each day, begin by clicking on the "My Observations" link (red box).



To enter your data, click on the "Enter new observation" link or the "Daily form" link on the left (red box).

We will review using the "Monthly form" link in a few slides. NOTE: If you have multiple days worth of data to enter, we recommend using the Monthly Form.





Coder » Home » My Observations » Enter Wed, Sep 23, 2009 08:35AM CDT | Site Map | Contact NWS | Help | Sign Ou **Progress** Observation for Supervising WFO FT WORTH WFO Fort Worth, TX ? 1. Enter data FWDT2 (SHEF) ? Date and time of observation Site Number 41-3285-03 (COOP) ? 22 V / 2009 V at Midnight (11:59PM) V Time of observation Click on a question mark on this page to display helpful information. Midnight ? Type of observation daily (24 hr values/totals) | ? Correction? Lat/Lon 32.83389, -97.29750 ? Air Temperature Elevation 644 ft Max temperature 72 x °F help x °F help Min temperature 61 At observation 63 x oF help Precipitation Precipitation 0.01 x.xx in help x.x in help Snowfall Snow depth x in help River Data River stage x.xx ft help Miscellaneous Sunshine x hr help Observation period ☐ Fog Damaging wind Glaze Thunderstorm (check for any occurrence) help Count: 0 Only the first 250 characters will be transmitted. Remarks are part of the weather observation. If you need to send a non-weather related message, contact your local NWS office. Submit You will need to Confirm on the next page In cooperation with the National Weather Service, Regional Climate Centers, and National Climatic Data Center

The Daily Observation form will default to the current day and your scheduled reporting time. If you need to submit your observation for a previous day, use the drop down menus to change the date (red box). Otherwise, DO NOT change the date or time of your observation.

It is best to enter previous day observations before entering the current day observation.





	**************************************			
oder » <u>Home</u> » <u>My Observations</u> »	Enter Wed, Sep 23, 2009 08:35AM CDT	Site Map   Contact NWS   Help		
rogress				
	Observation for	Supervising WFO		
L. Enter data	FT WORTH WFO	Fort Worth, TX ? Site ID		
2. Confirm		FWDT2 (SHEF) ?		
B. Done	Date and time of observation	Site Number 41-3285-03 (COOP)		
On-Screen Help	Sept v / 22 v / 2009 v at Midnight (11:59PM) v : ?	Time of observation		
Click on a question mark on this page to display helpful information.	Type of observation daily (24 hr values/totals) 2 Correction?	Midnight ?  Lat/Lon		
	Air Temperature	32.83389, -97.29750 Elevation		
	Max temperature 72 x °F help	644 ft		
	Min temperature 61 x °F help			
	<u>[</u>			
	At observation 63 x oF help			
	Precipitation			
	Precipitation 0.01 x.xx in help			
	Snowfall x.x in help			
	Snow depth x in help			
	River Data			
	River stage x.xx ft help			
	Miscellaneous			
	Sunshine x hr help			
	Weather			
	Observation period			
	weather			
	□ Fog			
	□ <sub>Hail</sub>			
	☐ Ice pellets			
	Damaging wind			
	Glaze			
	Thunderstorm			
	(check for any occurrence) help			
	Remarks			
	?			
	^			
	Count: 0 Only the first 250 characters will be transmitted.			
	Remarks are part of the weather observation. If you need to send a non-weather related message, <u>contact</u> <u>your local NWS office</u> .			
	Submit			
	You will need to <b>Confirm</b> on the next page.			

WxCoder will display only the elements you need to report (i.e. temperature and/or precipitation). The area below the date is where you will enter your data (green box).

Simply enter your data in the respective boxes.

example page is for the NWS Office in Fort Worth, more data elements are displayed than a COOP Observer typically reports. Reporting elements will differ from station to station.





Wed, Sep 23, 2009 08:35AM CDT | Site Map | Contact NWS | Help | Sign Or Coder » Home » My Observations » Enter **Progress** Observation for Supervising WFO FT WORTH WFO Fort Worth, TX ? 1. Enter data FWDT2 (SHEF) ? Date and time of observation Site Number 41-3285-03 (COOP) ? Sept v / 22 v / 2009 v at Midnight (11:59PM) v : Time of observation Click on a question mark on this page to display helpful information. Midnight ? Type of observation daily (24 hr values/totals) 2 ? Correction? Lat/Lon 32.83389, -97.29750 ? Air Temperature Elevation 644 ft Max temperature 72 x °F help Min temperature 61 x °F help At observation 63 x °F help Precipitation Precipitation 0.01 x.xx in help x.x in help Snowfall Snow depth x in help River Data River stage x.xx ft help Miscellaneous Sunshine x hr help Observation period ☐ Fog ☐ Ice pellets Damaging wind Glaze Thunderstorm (check for any occurrence) help Count: 0 Only the first 250 characters will be transmitted. Remarks are part of the weather observation. If you need to send a non-weather related message, contact your local NWS office Submit You will need to Confirm on the next page In cooperation with the National Weather Service, Regional Climate Centers, and National Climatic Data Center 2008 » <u>Privacy Policy</u> » Created by <u>WRCC</u>

The Remarks section gives you an opportunity to add valuable information to your observation (orange box).

Suggestions of what to comment in the Remarks section:

- Time of precipitation
- Size of hail
- Damage caused by thunderstorms
- Depth of ice in the winter
- Missed an observation because you were out of town
- "Rainfall accumulation is for {x} days due to being out of town."

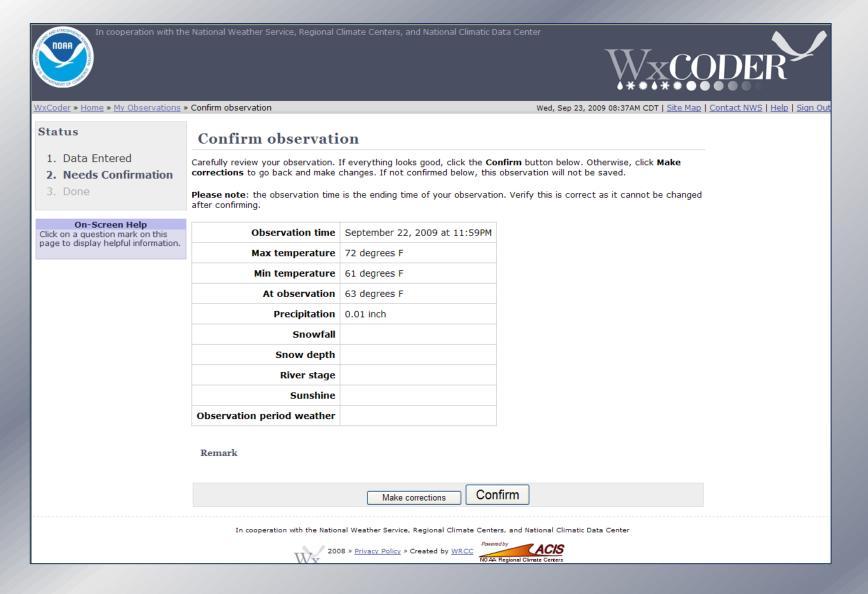
Your remarks will become a permanent part of your record once you submit your form at the end of the month.



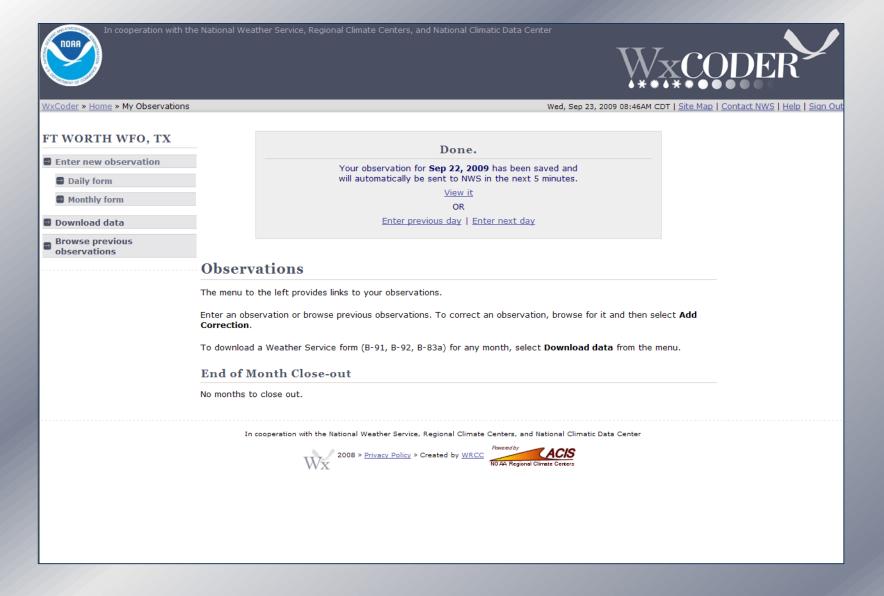


/xCoder » Home » My Observations » Enter Wed, Sep 23, 2009 08:35AM CDT | Site Map | Contact NWS | Help | Sign Out Progress Observation for Supervising WFO FT WORTH WFO Fort Worth, TX ? 1. Enter data FWDT2 (SHEF) ? Date and time of observation Site Number 41-3285-03 (COOP) ? Sept v / 22 v / 2009 v at Midnight (11:59PM) v : ? Time of observation Click on a question mark on this page to display helpful information. Midnight ? Type of observation daily (24 hr values/totals) 2 ? Correction? Lat/Lon 32.83389, -97.29750 ? Air Temperature Elevation 644 ft Max temperature 72 x °F help Min temperature 61 At observation 63 x °F help Precipitation Precipitation 0.01 x.xx in help x.x in help Snowfall Snow depth x in help River Data x.xx ft help River stage Miscellaneous x hr help Sunshine Observation period ☐ Fog Damaging wind Glaze ☐ Thunderstorm (check for any occurrence) help Count: 0 Only the first 250 characters will be transmitted. Remarks are part of the weather observation. If you need to send a non-weather related message, contact your local NWS office Submit You will need to Confirm on the next page. In cooperation with the National Weather Service, Regional Climate Centers, and National Climatic Data Center 2008 » <u>Privacy Policy</u> » Created by <u>WRCC</u>

After you have entered your data, click the "Submit" button.



You will be asked to review your observation. If you need to make any changes click the "Make corrections" button on the bottom and it will return you to the form on the previous slides. If your observation is correct, click the "Confirm" button.



The next page will be a confirmation page stating that your observation is being sent to the NWS. If you need to enter subsequent days of data, click on the "Enter next day" link to continue entering data.

#### Errors you may receive when entering your Daily Observation

In cooperation with the	National Weather Service, Regional Climate Centers, and National Climatic Data Center	xCODER *			
WxCoder » Home » My Observations » Enter  Wed, Sep 23, 2009 08:39AM CDT   Site Map   Contact NW					
Progress  1. Enter data 2. Confirm	Observation for FT WORTH WFO	Supervising WFO Fort Worth, TX 2 Site ID FWDT2 (SHEF) 2			
3. Done  On-Screen Help  Click on a question mark on this	* At observation must be greater than or equal to Min temperature.	Site Number 41-3285-03 (COOP) ? Time of observation Midnight ?			
page to display helpful information.	Date and time of observation	Lat/Lon 32.83389, -97.29750 ?			
	Sept	Elevation 644 ft			
	Air Temperature				
	Max temperature 61 x °F help  Min temperature 72 x °F help  At observation 63 x °F help				
	Precipitation				
	Precipitation 0.01 x.xx in help				
	Snowfall x.x in help				
	Snow depth x in help				
	River Data				
	River stage x.xx ft help				
	Miscellaneous				
	Sunshine x hr help	· ·			

If you enter your Temperature observations incorrectly, you will receive red warning boxes when you click "Submit". You will be forced to change your observation before you can Confirm your observation.

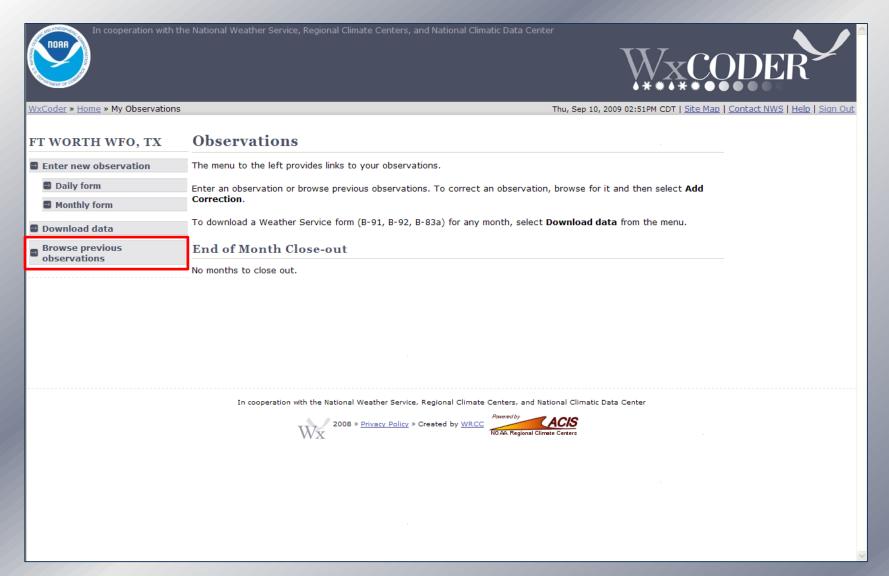
The above warning box may occur if you accidently switch your "Min temperature" and "At observation" temperature. Remember, your "Min temperature" has to be <u>less than or equal to</u> your "At observation" temperature and your "Max temperature".

In cooperation with the	National Weather Service, Regional Climate Centers, and National Climatic Data Center	xCODER *		
WxCoder » Home » My Observations » I	Enter Wed, Sep 23, 2009 08:41AM C	CDT   Site Map   Contact NWS   Help   Sign Out		
Progress  1. Enter data 2. Confirm 3. Done	Observation for FT WORTH WFO  * Max temperature must be greater than or equal to Min temperature.	Supervising WFO Fort Worth, TX ? Site ID FWDT2 (SHEF) ? Site Number 41-3285-03 (COOP) ?		
On-Screen Help Click on a question mark on this page to display helpful information.	Date and time of observation  Sept	Time of observation Midnight ?  Lat/Lon 32.83389, -97.29750 ?  Elevation 644 ft		
	Max temperature 63 x °F help			
	Min temperature 72 x °F help			
	At observation 72 x °F help			
	Precipitation			
	Precipitation 0.01 x.xx in help			
	Snowfall x.x in help			
	Snow depth x in help			
	River Data			
	River stage x.xx ft help			
	Miscellaneous			
	Sunshine x hr help			

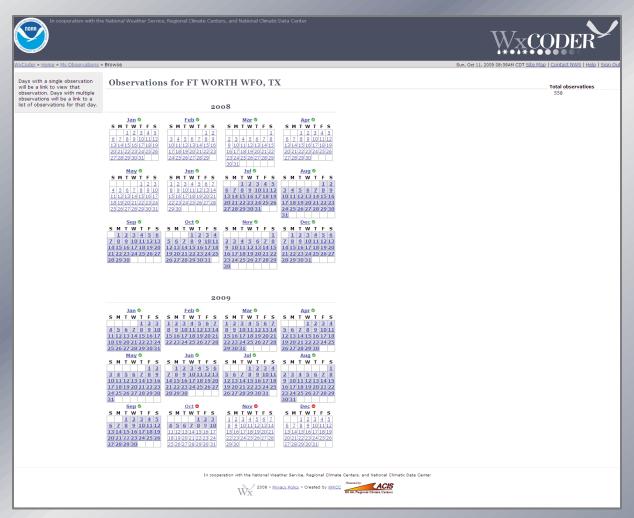
The above warning box may occur if you accidently switch your "Min temperature" and "Max temperature". Remember, your "Max temperature" has to be greater than or equal to your "Min temperature" and your "At observation" temperature.

#### Making Corrections to Previous Observations

NOTE: This needs to be done before you close out the month.

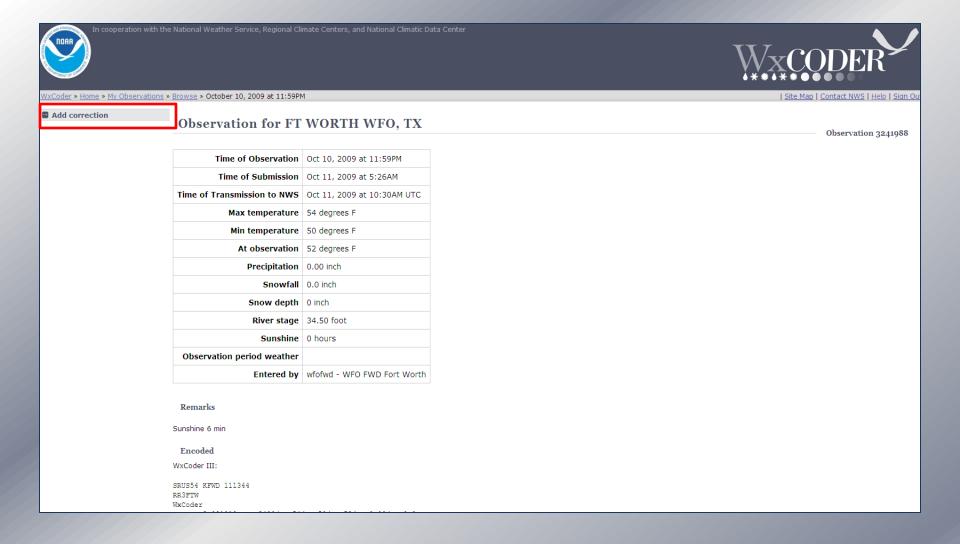


To make a correction to a previous day's observation, in the My Observations section, click on "Browse previous observations" (red box).



You will be directed to a page with monthly calendars that contain all your observations. A green check mark next to the month indicates the month has been closed out and cannot be edited. Months with a red dash indicate months that have not been closed out and can be edited.

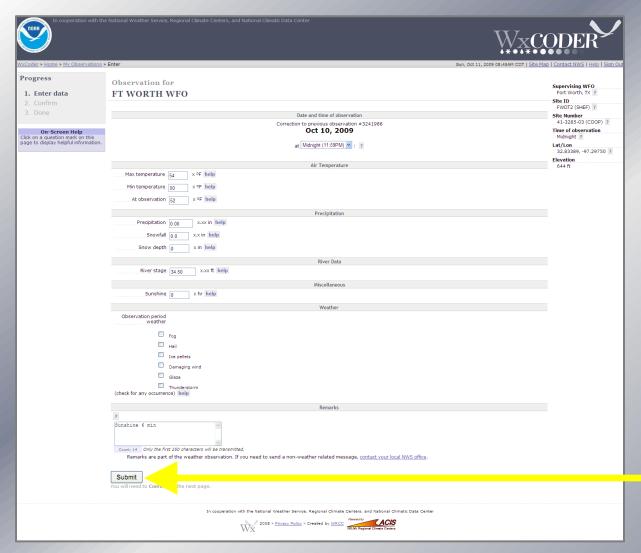
To correct an observation, click on the day you wish to correct.



The complete observation of the day that you clicked on will be displayed. To correct it, click on the "Add correction" link (red box).

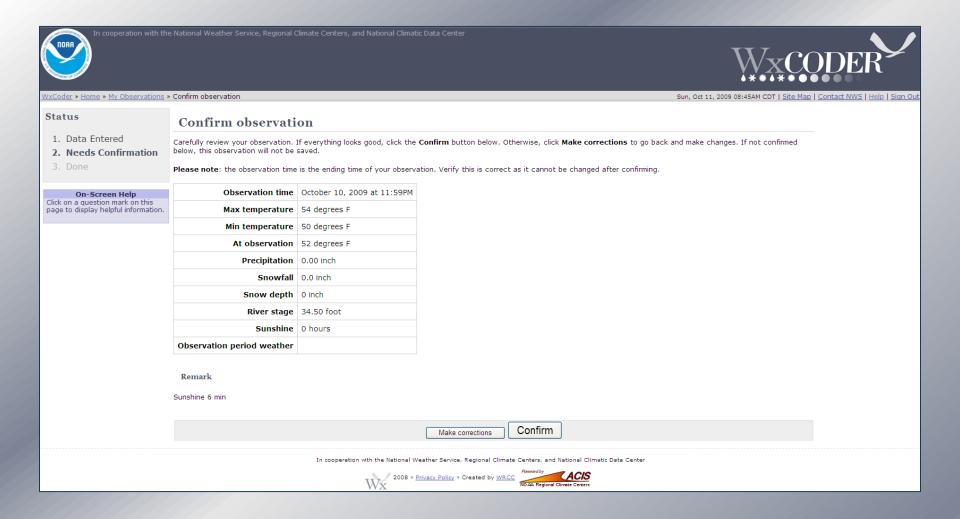
In cooperation with the	National Weather Service, Regional Climate Centers,	and National Climatic Data Center	WxC	ODER
WxCoder » Home » My Observations »	Enter		Sun, Oct 11, 2009 08:45AM CDT   Site Map	Contact NWS   Help   Sign Out
Progress  1. Enter data 2. Confirm 3. Done  On-Screen Help Click on a question mat, on this page to digitary helpful information.	Observation for FT WORTH WFO  Max temperature 54 x or help Min temperature 50 x or help At observation 52 x or help	Date and time of observation  Correction to previous observation #3241988  OC 10, 2009  at Midnight (11.59PM) V:   Air Temperature  Precipitation		Supervising WFO Fort Worth, TX ? Site ID FWDT2 (SHEF) ? Site Number 41:3285-03 (COOP) ? Time of observation Midmight ? Lat/Lon 32.83399, -97.29750 ? Elevation 644 it
	Precipitation 0.00 x.xx in help	гтеорицион		
	Snowfall 0.0 x.x in help  Snow depth 0 x in help			
		River Data		
	River stage 34.50 x.xx ft help			
	Sunshine 0 x hr help	Miscellaneous		
	Sunsnine 0 x nr neip	Weather		
	Observation period weather    Fog   Hail   Ice pellets   Damaging wind   Glaze   Thunderstorm (check for any occurrence) help	westre		
		Remarks		
	Sunshine 6 min  Count 14 Only the first 250 characters will be trans Remarks are part of the weather observatio  Submit	mitted. 1. If you need to send a non-weather related message, <u>contact your local NWS office</u> .		
	You will need to Confirm on the next page.			
	In cooperat	on with the National Weather Service, Regional Climate Centers, and National Climatic Data Center  **Privacy Policy ** Created by WRCC**  **TOTAL Regional Circuit Critics**  **TOTAL Regional Circuit Critics**		

The form to correct your observation will look identical to the one used to enter your observation but the wording in the header will confirm that you are making a correction (red box).

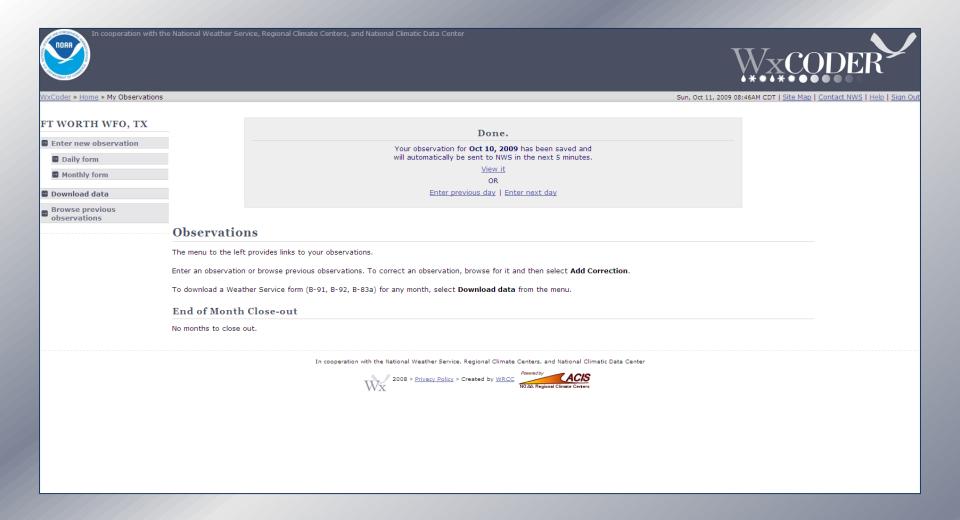


Edit your observation in each respective box as is needed. You can also make edits to or add entries in the Remarks section.

When you are finished making edits, click the "Submit" button.

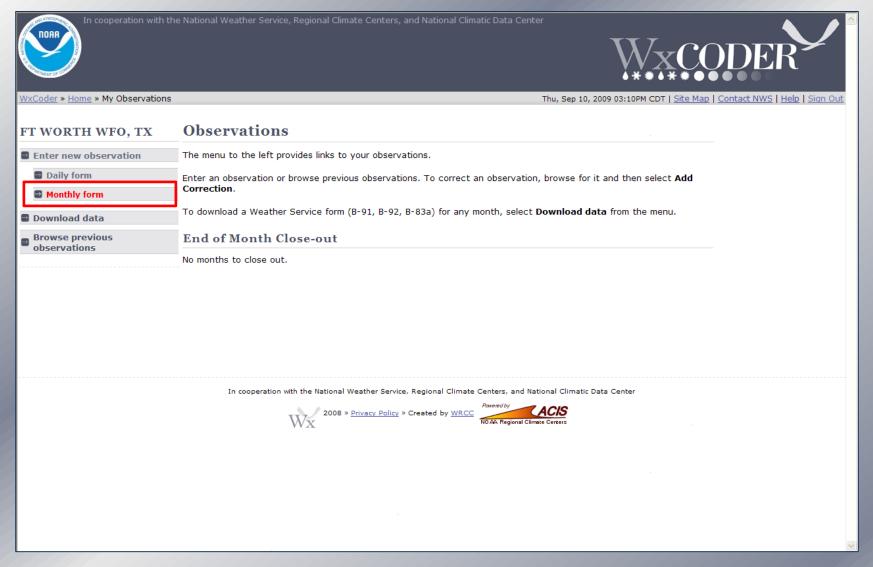


You will be asked to review your observation. If you need to make any changes click the "Make corrections" button on the bottom and it will return you to the form on the previous slides. If your observation is correct, click the "Confirm" button.



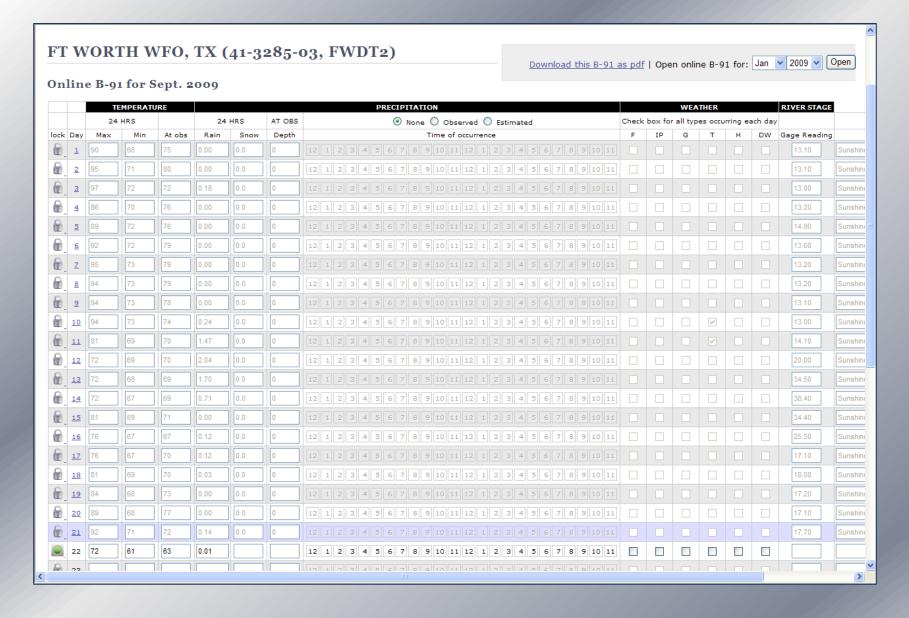
The next page will be a confirmation page stating that your (corrected) observation is being sent to the NWS.

#### Entering your Daily Observation or Making Corrections using the Monthly Form

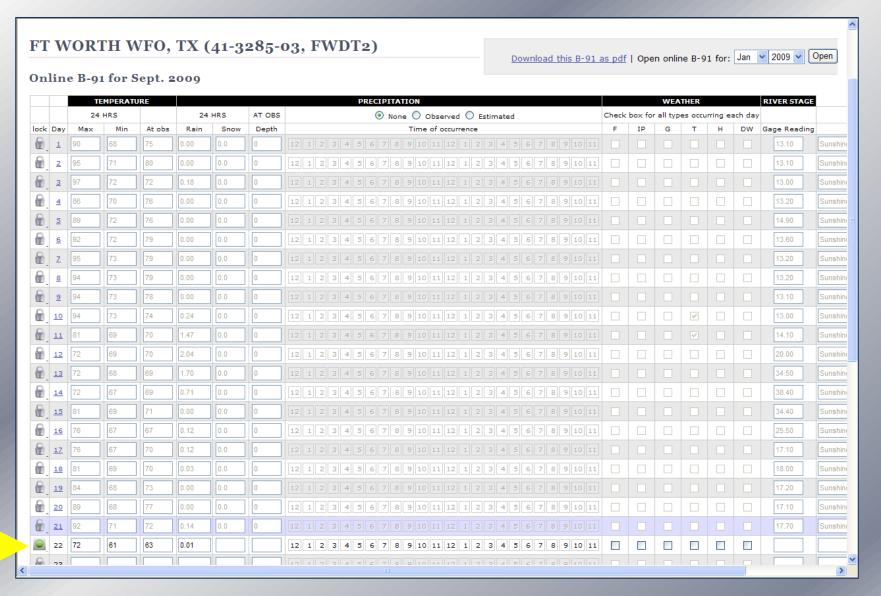


Now we will review using the Monthly Form to enter or correct data.

The "Monthly form" link is found under the My Observations section on the home page (red box).

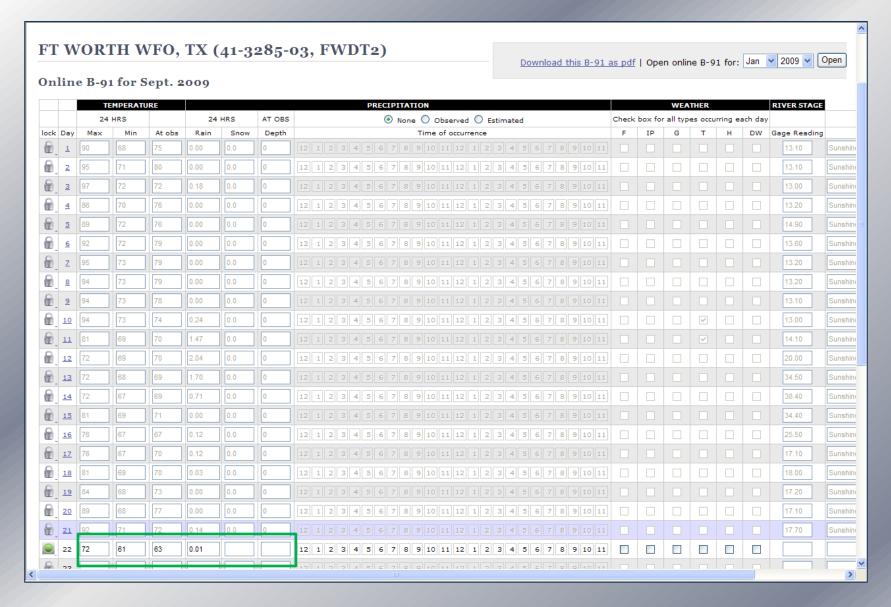


The Monthly Form is an exact carbon copy of the paper B-91s you may be familiar with.

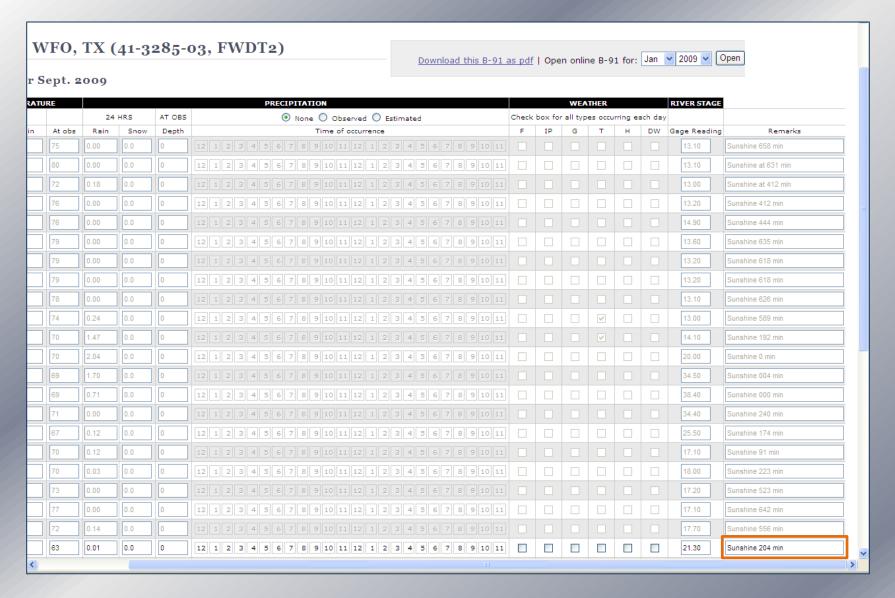


To enter data for any certain day, unlock the line for the respective day by clicking on the lock symbol in the first column.

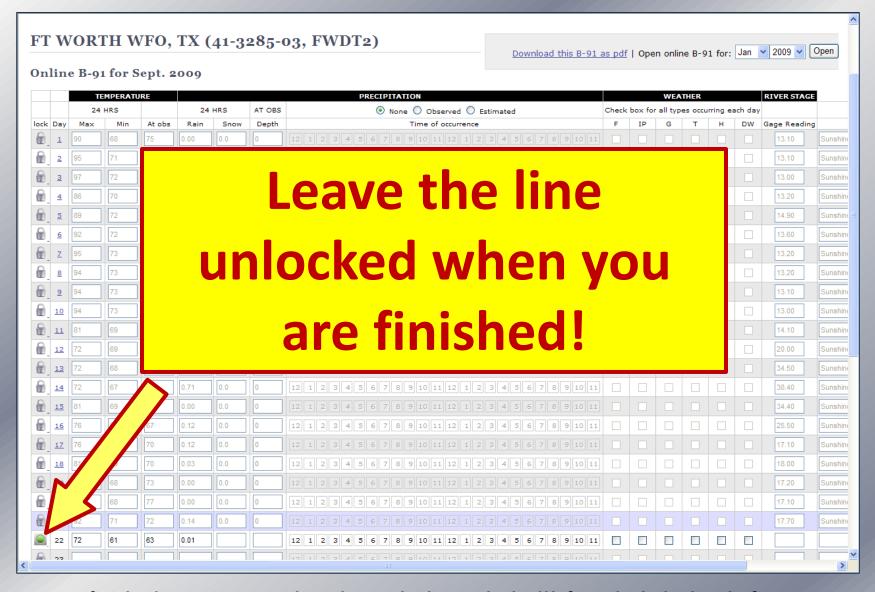
A green dot on the lock symbol indicates the line is unlocked and ready for editing.



Once the line is unlocked, you can enter data in each respective column (green box).

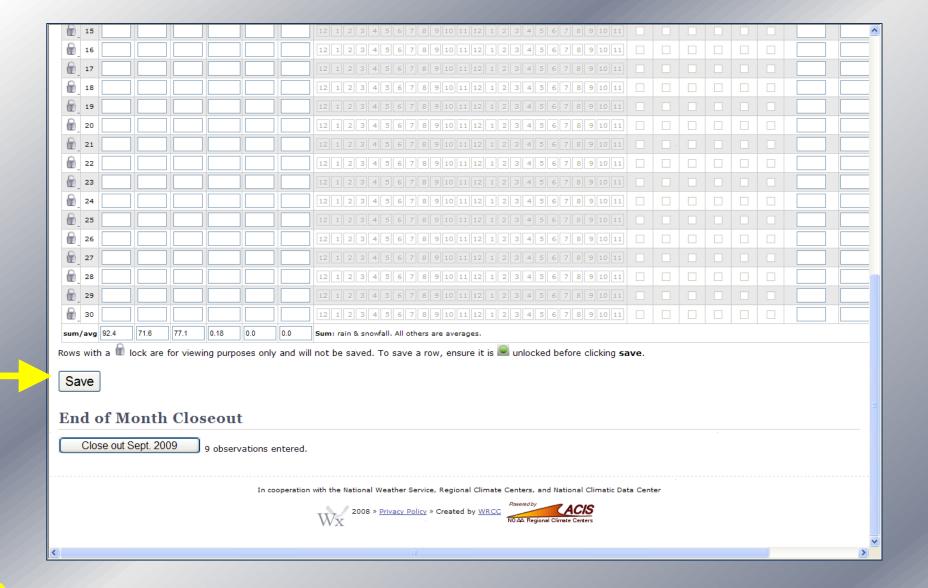


Enter any significant remarks in the last column (orange box). Remember, only the first 250 characters will be transmitted.

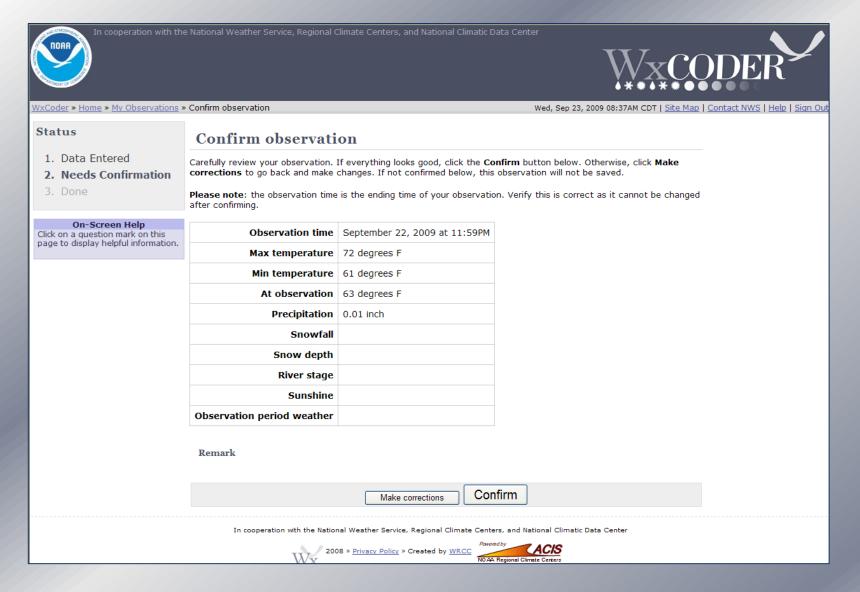


When you are finished entering your data, <u>leave the line unlocked!!</u> If you lock the line before saving, you will lose the entry you just made.

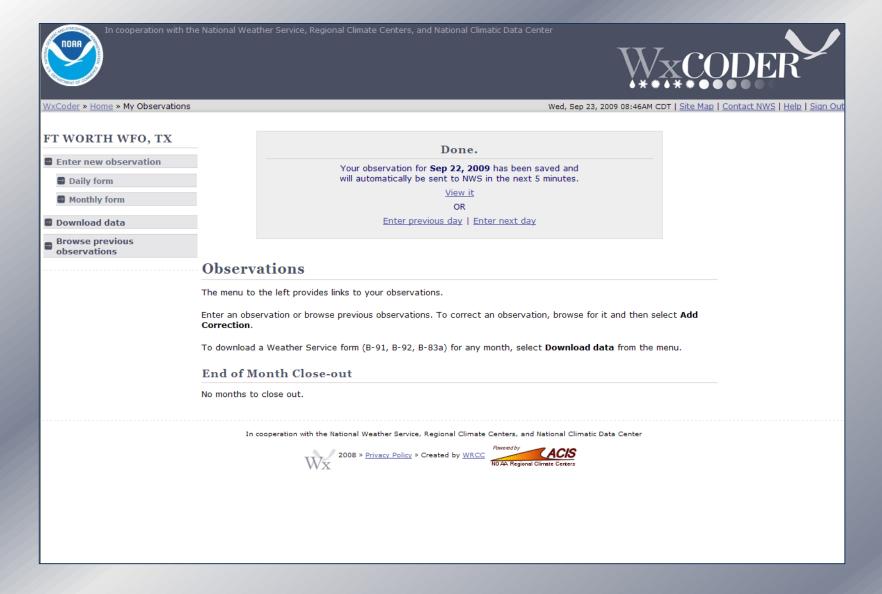
If you need to enter more data or need to correct data from a previous day, you can unlock those respective lines and enter or edit data as needed.



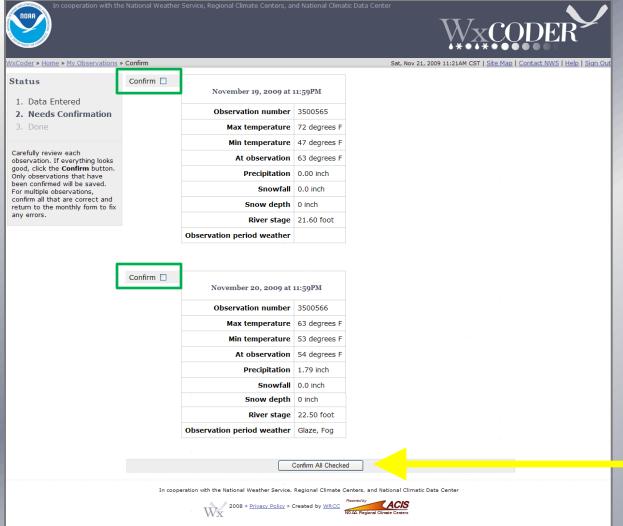
When you are finished entering or editing all your data, click the "Save" button at the bottom of the form.



You will be asked to review your observation. If you need to make any changes click the "Make corrections" button on the bottom. If your observation is correct, click the "Confirm" button.

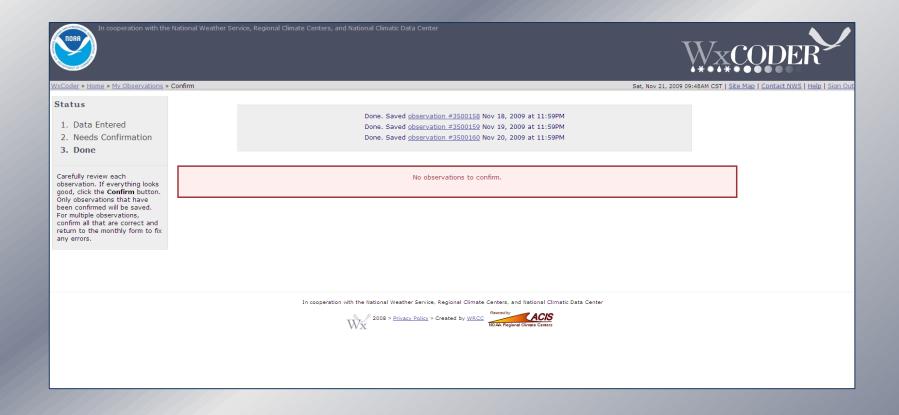


The next page will be a confirmation page stating that your observation is being sent to the NWS.



If you enter or edit several observations, you will be asked to confirm each observation. You will need to place a check mark next to each observation that you want to confirm (green boxes).

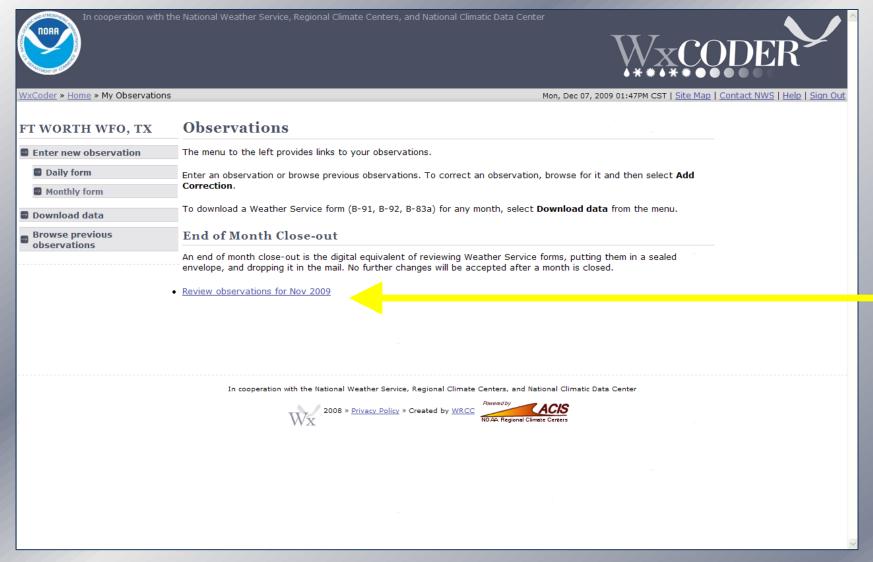
Only you have checked all the necessary boxes, click the "Confirm All Checked" button.



The next page will be a confirmation page stating that your observations are being sent to the NWS.

## End of Month Close Out

NOTE: You <u>MUST</u> close out each month of data. This should be done within the first 5 days of the start of the new month!

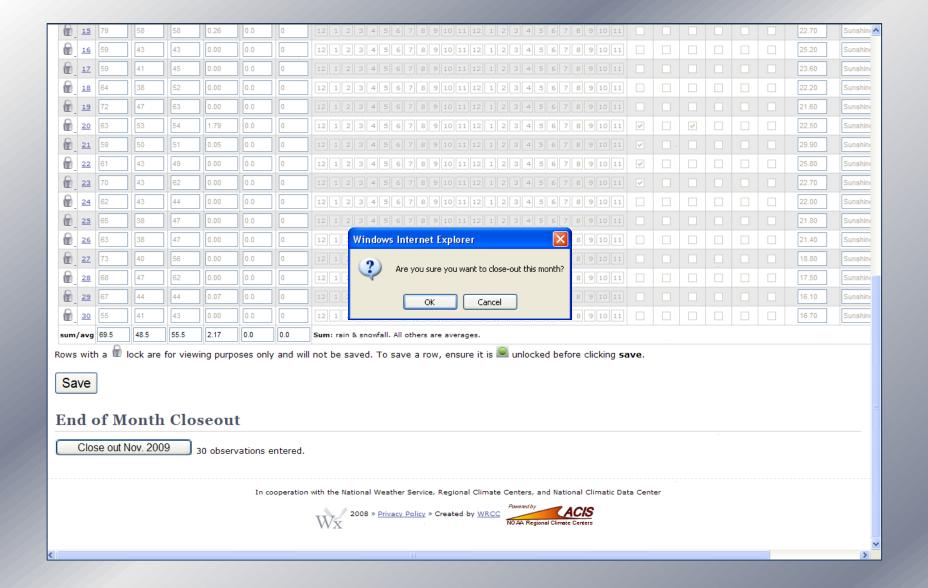


To Close Out the previous month, go to the My Observations section.

Under the "End of Month Close-out" section, click on the link to the previous month.

6	<u>15</u>	79	58	58	0.26	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				22.70	Sunshin
0	<u>16</u>	59	43	43	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				25.20	Sunshine
₩.	<u>17</u>	59	41	45	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				23.60	Sunshine
₩.	18	64	38	52	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				22.20	Sunshine
₩.	<u>19</u>	72	47	63	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				21.60	Sunshine
₩.	20	63	53	54	1.79	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11	~	V		22.50	Sunshine
₩.	21	59	50	51	0.05	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11	~			29.90	Sunshine
<b>a</b>	22	61	43	49	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11	V			25.80	Sunshine
₩.	23	70	43	62	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11	V			22.70	Sunshine
	24	62	43	44	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				22.00	Sunshine
₩.	25	65	38	47	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				21.80	Sunshine
₩.	26	63	38	47	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				21.40	Sunshine
₩.	27	73	40	56	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				18.80	Sunshine
₩.	28	68	47	62	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				17.50	Sunshine
₩.	29	67	44	44	0.07	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				16.10	Sunshine
₩.	30	55	41	43	0.00	0.0	0	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11				16.70	Sunshine
sum/	avg	69.5	48.5	55.5	2.17	0.0	0.0	Sum: rain & snowfall. All others are averages.					
Rows with a lock are for viewing purposes only and will not be saved. To save a row, ensure it is unlocked before clicking save.  Save  End of Month Closeout  Close out Nov. 2009  20 observations entered													
Close out Nov. 2009  30 observations entered.  In cooperation with the National Weather Service, Regional Climate Centers, and National Climatic Data Center  2008 » Privacy Policy » Created by WRCC  **Powendby**  ACIS													
WX NGAA Regional Climate Certers  ✓													

Once you are certain that you have entered all the required data for the month and that you do not need to make any corrections, click the "Close Out XXXX YYYY" button at the bottom of the page.



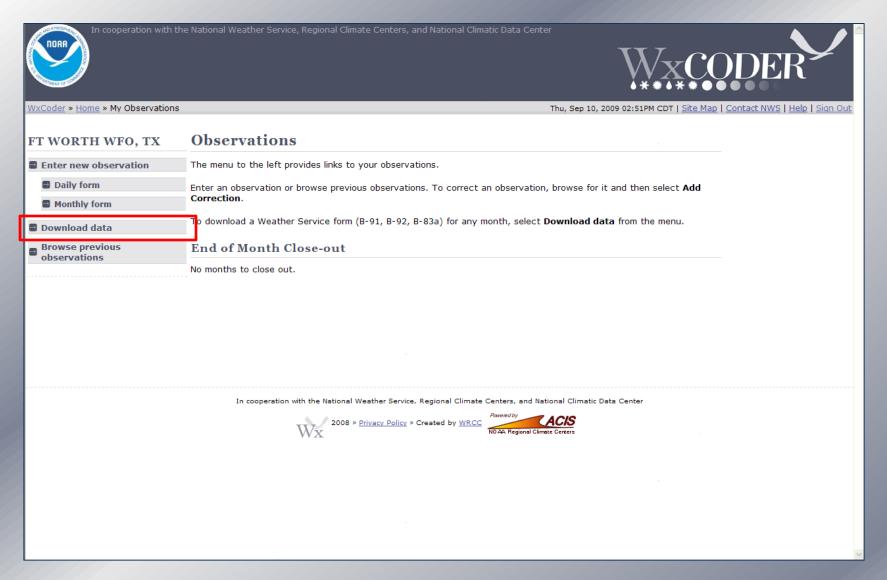
You will be asked to confirm that you are closing out the monthly data. Click "Ok" to complete the monthly closeout.

In cooperation with the	the National Weather Service, Regional Climate Centers, and National Climatic Data Center  Very Cope	ar -
<u>WxCoder</u> » <u>Home</u> » My Observations	Mon, Dec 07, 2009 01:48PM CST   <u>Site Map</u>   <u>Contact NW</u>	S   Help   Sign Out
FT WORTH WFO, TX	Nov 2009 is now closed.	
Enter new observation		
Daily form	Observations	
Monthly form	Observations	
<b>■</b> Download data	The menu to the left provides links to your observations.	
Browse previous observations	Enter an observation or browse previous observations. To correct an observation, browse for it and then select <b>Add</b> Correction.	
	To download a Weather Service form (B-91, B-92, B-83a) for any month, select <b>Download data</b> from the menu.  End of Month Close-out	
	No months to close out.	
	In cooperation with the National Weather Service, Regional Climate Centers, and National Climatic Data Center	
	2008 » Privacy Policy » Created by WRCC  NOAA Regional Climate Certers	
		~

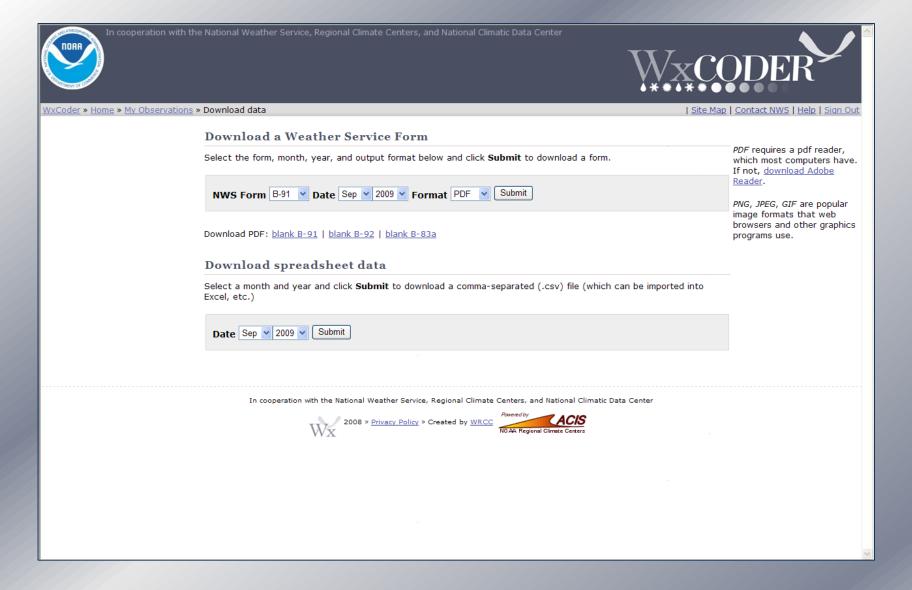
The next screen will confirm that the month is closed.

NOTE: If you discover an error with your form or forgot to enter some data, please notify Gerald Shultz, and he can unlock your form.

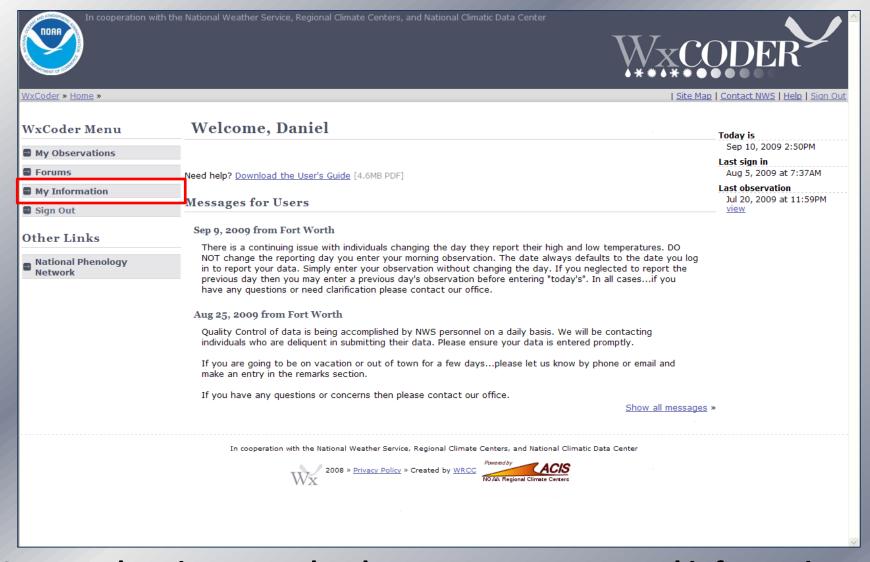
## Other Helpful Features of WxCoder



You can download and view your data utilizing different forms and formats via the "Download data" link (red box) under "My Observations".



Select the format and the month you would like to view or print, then click "Submit".



You can also view or make changes to your personal information (red box). i.e: if you change your email address.

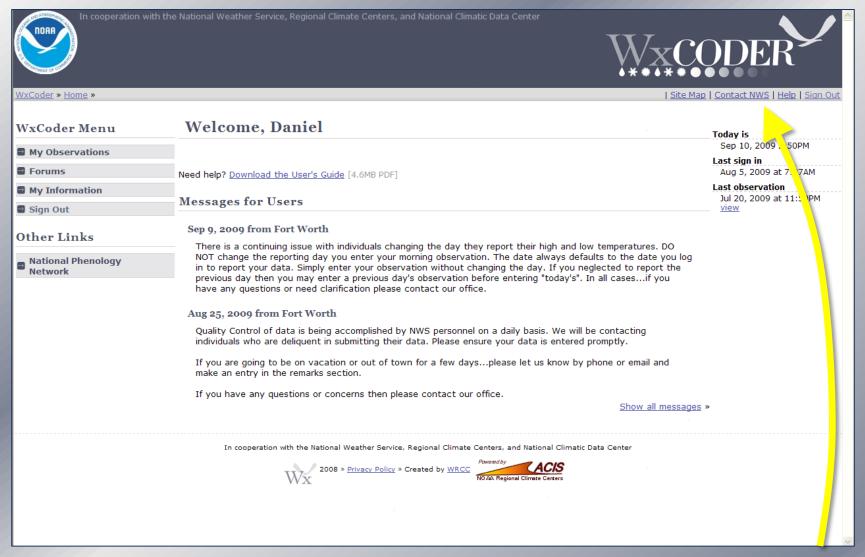
The "My Information" link is found on the home page.

In cooperation with the	e National Weather Service, F	Regional Climate Centers, and National Climatic Data Center	ODER
WxCoder » Home » My Information		Site Mar	Contact NWS   Help   Sign Out
Bold * denotes a required field.	My Informatio	on .	
The information entered here is always kept private.			
always kept private.	First Name *		
	Last Name *		
	E-mail Address *		
	Email Type *	Text 💌	
	Address	3401 Northern Cross Blvd	
	Address	Extra line	
	City	Fort Worth	
	State *	Texas	
	Zip Code		
	Phone number		
	Phone extension		
		National Weather Service	
	Special Remarks	National Weather Service	
	Special Kemarks		
		V	
	Jump to	None When logging in, go directly to the entry form for this site.	
	Change access code		
	If you wish to change y Access code must be a	our access code, fill out the following fields: : least four (4) characters long.	
	New Access Code		

Enter all pertinent changes to ensure we have up-to-date contact information for you. Please note the required fields are in red.

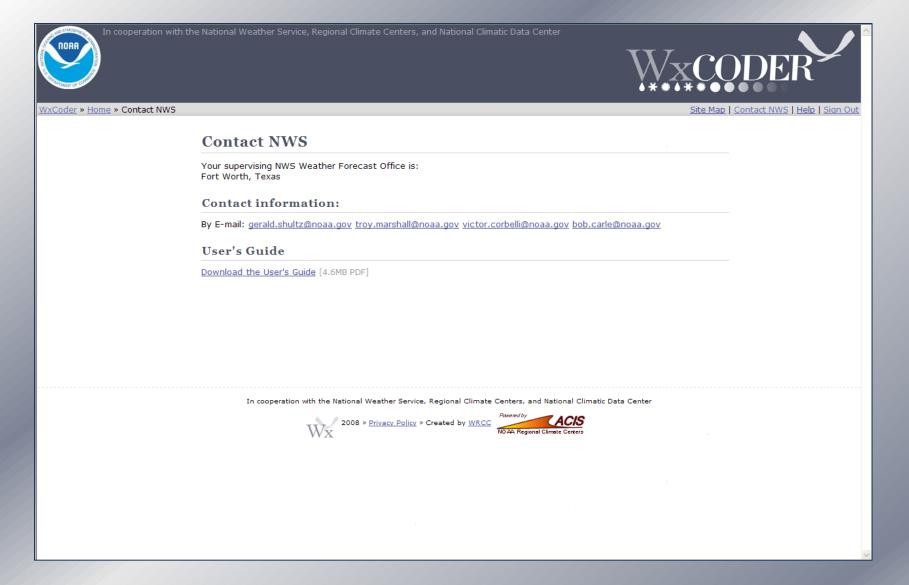
Last Name *		_					
E-mail Address *							
Email Type *	Text 💌						
Address	3401 Northern Cross Blvd						
Address	Extra line						
City	Fort Worth						
State *	Texas						
Zip Code	76137						
Phone number							
Phone extension							
Company/Institution	National Weather Service						
Special Remarks							
Jump to	None When logging in, go directly to the entry form for this site.						
Change access code							
If you wish to change y Access code must be at	our access code, fill out the following fields: t least four (4) characters long.						
New Access Code							
Confirm Access Code							
	Cancel Save						
I							
In cooperation with the National Weather Service, Regional Climate Centers, and National Climatic Data Center							
T	2008 » Privacy Policy » Created by WRCC  NOA Regional Climate Certers						
V	VX rosa regional climate centers						

When you are finished editing, click "Save" and the information will be automatically updated.

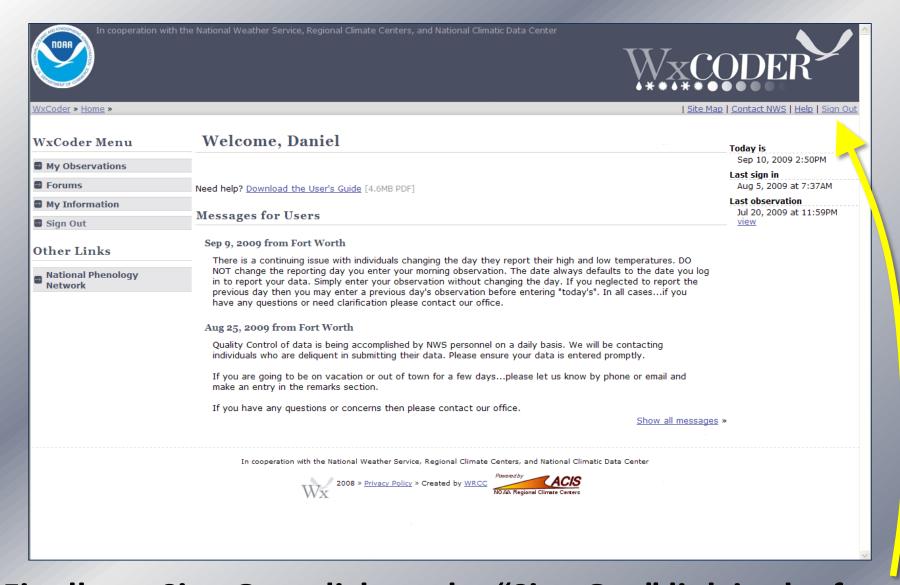


If you have any questions, issues, or problems with WxCoder or your observation, you can contact officials at the National Weather Service in Fort Worth via email.

In the upper right, click on the "Contact NWS" link.



Gerald Shultz is the Program Leader for the COOP Program in north Texas, and you can send him an email by clicking on his name. The other three staff members assist him with the COOP program.



Finally, to Sign Out, click on the "Sign Out" link in the far upper right. DO NOT use the "X" in the upper right screen of your computer!!

climate changes

 To provide observational meteorological data in near real-time to support forecast, warning and other public service programs of the NWS.

Thanks for completing this training session on WxCoder!!